

ABANDONED URANIUM MINES PROJECT ATLAS

APPENDIX B

DATA REFERENCES

The following table provides a data inventory for the Project Atlas. The data references are divided into two tables that identify basemap and thematic features. The first table references basemap features used in most maps. Basemap features provide background information for the thematic features (second table). Basemap data includes features such as roads, county boundaries, and school locations. The basemap feature references follow.

BASEMAP FEATURES

Feature	Reference
Churches	Environmental Systems Research Institute, Inc. and Geographic Data Technology, Inc., 1998, Detailed States and Counties, ESRI Data and Maps 1 (CD), Redlands, California, 1998, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.
County Boundaries	Environmental Systems Research Institute, Inc. and Geographic Data Technology, Inc., 1998, Detailed States and Counties, ESRI Data and Maps 1 (CD), Redlands, California, 1998, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.
Digital Raster Graphic (DRG), 1:500,000 Scale Topographic Maps	VisiCom, 2000, Sure!MAPS RASTER, Continental United States, 1:500K: San Diego, California, VisiCom.
Digital Raster Graphic (DRG), 1:100,000 Scale Topographic Maps	VisiCom, 1999, Sure!MAPS RASTER, Arizona, 1:100K: San Diego, California, VisiCom. VisiCom, 1999, Sure!MAPS RASTER, Colorado, 1:100K: San Diego, California, VisiCom. VisiCom, 1999, Sure!MAPS RASTER, New Mexico, 1:100K: San Diego, California, VisiCom. VisiCom, 1999, Sure!MAPS RASTER, Utah, 1:100K: San Diego, California, VisiCom. Data and metadata are on each CD-ROM.
Hospitals	Environmental Systems Research Institute, Inc. and Geographic Data Technology, Inc., 1998, Detailed States and Counties, ESRI Data and Maps 1 (CD), Redlands, California, 1998, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.
Hydrographic Features	U.S. Geological Survey, 1999, Hydrography Features of the United States: National Atlas of the United States, U.S. Geological Survey, Reston, Virginia. Online_Linkage: < http://edcftp.cr.usgs.gov/pub/data/nationalatlas/hydrogm020.tar.gz > for the data and < http://nationalatlas.gov/hydrom.html > for the FGDC metadata.
Landsat MSS	Earth Resources Observation Systems Data Center, 1995, North American Landscape Characterization Triplicates: Sioux Falls, South Dakota, U.S. Geological Survey. Data and metadata are on CD-ROM.
Navajo and Hopi Boundaries	Francis, M., Hoskie, G., and Begay, J., 1997, Navajo Nation Boundaries: Window Rock, Arizona, Navajo Land Department.
Navajo Chapter Houses	Francis, M., Hoskie, G., and Begay, J., 1997, Selected Navajo Chapter House Locations: Window Rock, Arizona, Navajo Land Department.
Populated Places	U.S. Geological Survey, 1981, Geographic Names Information System, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc. U.S. Bureau of the Census, 1990, United States Populated Places, Summary Tape File 1C (STF-1C), in ESRI Data and Maps 1 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc. Data and metadata are on CD-ROM.
Roads; Arizona, Colorado, New Mexico, and Utah	Geographic Data Technology, Inc., 1995, Major Roads, in ESRI Data and Maps 3 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.
Schools	Environmental Systems Research Institute, Inc. and Geographic Data Technology, Inc., 1998, Detailed States and Counties, ESRI Data and Maps 1 (CD), Redlands, California, 1998, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.
Shaded Relief Imagery	Earth Resources Observation Systems Data Center, 1995, North American Landscape Characterization Triplicates: Sioux Falls, South Dakota, U.S. Geological Survey. Data and metadata are on CD-ROM.
State Boundaries	Environmental Systems Research Institute, Inc. and Geographic Data Technology, Inc., 1998, Detailed States and Counties, ESRI Data and Maps 1 (CD), Redlands, California, 1998, in ESRI Data and Maps 2 (CD), Redlands, California, 1998, Environmental Systems Research Institute, Inc.

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APPENDIX B (continued)

DATA REFERENCES

The second table references the thematic features shown on top of the basemap features. The thematic features are the subject of this atlas and include such data features as radiation contours, ground water sample locations, and mapped geological units. The thematic feature references follow.

THEMATIC FEATURES

Feature	Reference
Annual Precipitation	Chris, D. and Taylor, G., 1998, Western U.S. Average Monthly or Annual Precipitation, 1961-90: Portland, Oregon, USA, Water and Climate Center of the Natural Resources Conservation Service. Online_Linkage: http://www.ocs.orst.edu/prism/prism_new.html for the data and FGDC metadata.
Bismuth 214 Radiation Contours	U.S. Department of Energy, 1999, Bismuth 214 and Gross Count Radiation Information, Abandoned Uranium Mines Project, NM, AZ, UT, Navajo Lands: Las Vegas, NV: U.S. Department of Energy.
Federal Lands	U.S. Geological Survey, 1999, Federal and Indian Lands of the United States: National Atlas of the United States, U.S. Geological Survey, Reston, Virginia. Online_Linkage: http://edcftp.cr.usgs.gov/pub/data/nationalatlas/fedlanp020.tar.gz for the data and http://nationalatlas.gov/fedlandsm.html for the FGDC metadata.
Geology	<p>Green, Gregory N., 1992, The Digital Geologic Map of Colorado in ARC/INFO Format: U.S. Geological Survey Open File Report 92-0507, 10 p., Online_Linkage: http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-92-0507 for the data and FGDC metadata.</p> <p>Green, G. N. and Jones, G. E., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format, in RGIS Clearinghouse Resource Data, Volume 1b, Version 2.0, 1998, Albuquerque, New Mexico, Resource Geographic Information System Program. Data and FGDC metadata are on CD-ROM.</p> <p>Hintze, L. F., Willis, G. C. Laes, D. Y. M., Sprinkel, D. A., and Brown, K. F., comps., 2000, Digital Geologic Map Of Utah: Salt Lake City, Utah Geological Survey Map 179DM [Digital Map]. Data and FGDC metadata are on CD-ROM.</p> <p>Richard, S. M. and Kneale, S. M., 1997, Geologic Map of Arizona, GIS Database: Tucson, Arizona, Digital Information Series DI-8, Version 2.0, Arizona Geological Survey, 10 p., includes a 3.5” diskette.</p>
Gross Count Radiation Contours	U.S. Department of Energy, 1999, Bismuth 214 and Gross Count Radiation Information, Abandoned Uranium Mines Project, NM, AZ, UT, Navajo Lands: Las Vegas, NV: U.S. Department of Energy.
Major Land Resource Areas	Bliss, Norman B. 1989, A National Natural Resource Data Base: Techniques for Linking the Major Land Resource Area map, the 1982 National Resources Inventory and the Soils Interpretations Record Data Bases in a Geographic Information System. Eros Data Center, Sioux Falls, SD. Online_Linkage: http://water.usgs.gov/lookup/getspatial?mlra for the data and FGDC metadata.
Native American Lands, Other	U.S. Geological Survey, 1999, Federal and Indian Lands of the United States: National Atlas of the United States, U.S. Geological Survey, Reston, Virginia. Online_Linkage: http://edcftp.cr.usgs.gov/pub/data/nationalatlas/fedlanp020.tar.gz for the data and http://nationalatlas.gov/fedlandsm.html for the FGDC metadata.
Physiographic Provinces	U.S. Geological Survey, 1992, Physical divisions of the United States: U.S. Geological Survey Special Map. Online Linkage: http://water.usgs.gov/lookup/getspatial?physio for the data and FGDC metadata.
Private Lands	Stulz, Mary Beth, comp., 1999, Land Status by State: Denver, U.S. Bureau of Land Management . Online Linkage: http://www.blm.gov/gis/narsc/data.html for data.
Ground Water Samples	U.S. Army Corps of Engineers, 1999, Ground Water Sample Locations: Albuquerque, New Mexico, U.S. Army Corps of Engineers.
Springs	U.S. Geological Survey, 1981,Geographic Names Information System: Reston, VA, U.S. Geological Survey. Online Linkage: http://mapping.usgs.gov/www/gnis/gnisftp.html for the data and FGDC metadata.
State Lands	Stulz, Mary Beth, comp., 1999, Land Status by State: Denver, U.S. Bureau of Land Management . Online Linkage: http://www.blm.gov/gis/narsc/data.html for data.
Survey Flight Areas	U.S. Department of Energy, 1999, Aerial Radiation Survey Flight Boundaries, Abandoned Uranium Mines Project, NM, AZ, UT, Navajo Lands: Las Vegas, NV: U.S. Department of Energy.
Uranium Mines	U.S. Department of Energy, 2001, Abandoned Uranium Mines Survey Technical Report: San Francisco, CA, United States Environmental Protection Agency - Superfund Record Center, 95 Hawthorne Street, Suite 403S, San Francisco, CA 94105, (415)744-1500, Project Code: 4807.